

Megapoxy 206

HIGH PERFORMANCE EPOXY GROUT

Description

MEGAPOXY 206 is a high strength, pre-filled, solvent-free epoxy grouting system offering superior performance for structural applications.

Typical Uses

Grouting where maximum flow and high strengths are required;

- ⊕ Grouting bolts, inserts and starter bars
- ⊕ Grouting bridge bearing pads
- ⊕ Bedding machinery and rails
- ⊕ Grouting around timber, steel, or concrete piles

Features

- ⊕ Excellent flow
- ⊕ Bonds to wet surfaces
- ⊕ Suitable for underwater applications
- ⊕ High mechanical strengths
- ⊕ Excellent chemical resistance

Packaging

8.8 kilogram kit size. Part A – 7.9kg component in 10 litre resealable plastic pail. Part B - 0.9kg hardener in 1 litre plastic bottle. Enables mixing in Part A Container.

Technical Data

Product as supplied

- ⊕ Part A epoxy resin compound – buff coloured liquid
- ⊕ Part B formulated hardener – thin clear liquid

Cured Properties

- ⊕ Density approx.: 1.6 kg per litre
- ⊕ Maximum Operating Temperature: 100°C
- ⊕ Compressive Strength (Ultimate): 100 MPa
- ⊕ Tensile Strength: 45 MPa
- ⊕ Brinell Hardness: 36

- ⊕ Compressive Modulus: 4.0 GPa
- ⊕ Impact Resistance (Izod) – 2.5 kg/cm

Application Notes - General

Preparation

Good adhesion can only be achieved if proper pretreatment of surfaces to be bonded is carried out. With the exception of concrete, surfaces should be degreased, grit blasted or mechanically abraded and degreased again. Wire brushing is not adequate and will produce only minimal adhesion.

Preparation – Concrete

The surface must be free of grease, oil and other contaminants. If necessary, clean with industrial grade degreasing agent. Once clean, step must be taken to remove laitance, this is best achieved by grit blasting, however mechanical abrasion and acid etching are alternatives.

Mixing and Placement

Premix Part A compound to ensure any settled material is recombined. Pour contents of Part B into Part A in correct proportions and mix thoroughly for 3-5 minutes with a power mixer, ensuring all material around bottom and sides of container is incorporated. Do not aerate mix. If using fillers or pigments, add and mix again. Do not apply at temperatures below 5°C.

Working Time (Pot Life)

30 minutes at 25°C
15 minutes at 35°C

Cure Time

24 hours at 25°C

Cleaning

Spillage and excess should be cleaned up as soon as possible. Uncured Megapoxy 206 can be removed using Megapoxy Thinners. Once the product has cured only severe heat or prolonged immersion in a powerful solvent will break it down.

Storage

MEGAPOXY 206 has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15^oC to 25^oC.

Safety Precautions

Avoid contact with uncured product at all times. Use protective clothing including safety glasses and apply a barrier cream to skin areas that could be exposed. Refer to Material Safety Data Sheets for further information.

First Aid

If swallowed, DO NOT induce vomiting, give a glass of water and contact a Doctor or the Poisons Information Centre. If in eyes, hold eyes open and flood with copious amounts of clean water for at least 15 minutes and contact a Doctor. If skin contact occurs, remove contaminated clothes and wash skin with soap and warm water. If allergic response (irritation, wheezing, etc.) occurs seek medical advice. Refer to Material Safety Data Sheets for further information.

NOTE

As conditions may vary considerably in consuming industries, buyers and users must assess this product's performance for their own requirements.

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